

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) An image processing apparatus comprising:

a display;

an image processing unit for subjecting an image supplied from an image data supply source to image processing based on image processing conditions, thereby obtaining a finished-state-predicting image;

a memory for storing at least one image;

a registration unit for registering said at least one image in the memory as a reference image;

a display unit for selecting at least one reference image from said at least one registered reference image and simultaneously displaying on said display said at least one selected reference image together with said finished-state-predicting image of the image processed by said image processing unit; and

a first adjustment unit for adjusting said image processing conditions in said image processing unit by comparing said finished-state-predicting image with said at least one selected reference image displayed on said display in such a manner that an image processing result of said finished-state-predicting image using adjusted image processing conditions matches to said at least one selected reference image.

2. (Previously Presented) The image processing apparatus according to claim 1, further comprising a moving unit for moving said selected reference image displayed on said display.

3. (Previously Presented) The image processing apparatus according to claim 1, further comprising at least one of a reference image enlargement/reduction unit for enlarging or reducing said selected reference image and a reference image partial display unit for partially displaying said selected reference image.

4. (Previously Presented) The image processing apparatus according to claim 1, further comprising an output unit for outputting said selected reference image stored in said memory as a hard copy; and

a second adjustment unit for adjusting color and density of said selected reference image stored in said memory.

5. (Previously Presented) The image processing apparatus according to claim 1, wherein said registration unit registers a plurality of reference images for each group corresponding to an image scene and said display unit displays said plurality of reference images for said each group.

6. (Previously Presented) The image processing apparatus according to claim 1, wherein said image processing unit also processes said finished-state-predicting image by using image processing conditions of said at least one reference image registered in the memory.

7. (Previously Presented) The image processing apparatus according to claim 1, wherein a color and a density residual of a calibration of an output device to which the image processed in said image processing unit is output are reflected on each of said at least one and said selected reference images.

8. (Original) The image processing apparatus according to claim 1, wherein an output device to which the image processed in said image processing unit is output and an output form used are selectable and said first adjustment unit modifies image processing conditions for said finished-state-predicting image in accordance with the output device and output form selected.

9. (Previously Presented) The image processing apparatus according to claim 1, wherein said registration unit registers image processing conditions for said finished-state-predicting image as image processing conditions for said at least one reference image.

10. (Previously Presented) The image processing apparatus according to claim 1, wherein said display unit displays said selected reference image and said finished-state-predicting image in a partially overlapped state on said display and indicates by color or density a magnitude of at least one of a color difference and a difference in an image structure index between the selected reference image and the finished-statepredicting image in the partially overlapped state.

11. (Previously Presented) The image processing apparatus according to claim 1, further including a unit for designating specific regions in said selected reference image and said finished state-predicting image displayed on said display, wherein said display unit indicates by color or density a magnitude of at least one of a color difference and a difference in an image structure index between said designated regions.

12. (Original) The image processing apparatus according to claim 10, wherein said image structure index is a power spectrum.

13. (Previously Presented) The image processing apparatus according to claim 1, wherein said memory stores said at least one reference image by colorimetric values.

14. (Original) The image processing apparatus according to claim 13, wherein said colorimetric values are XYZ values in a CIE1931 standard colorimetric system or $L^*a^*b^*$ values in a CIE1976 $L^*a^*b^*$ perceived color space.

15. (Previously Presented) The image processing apparatus according to claim 1, wherein said memory stores said at least one reference image by values on a standard color space.

16. (Previously Presented) The image processing apparatus according to claim 15, wherein said standard color space is a sRGB trichromatic system.

17. (Previously Presented) An image processing apparatus comprising:
a display having a single display screen;
an image processing unit for subjecting an image supplied from an image data supply source to image processing based on image processing conditions;
a manipulation system;

a reference image display controller having a memory for storing at least one image and a registration unit for registering said at least one image in the memory, wherein the manipulation system selects at least one image as a reference image from said at least one registered reference image and simultaneously displaying on said single display screen said at least one selected reference image together with a finished-state-predicting image of the image processed by said image processing unit; and

a condition setting section, said condition setting section including

a setup subsection for setting image processing conditions and for calculating image characteristic amounts for the image,

a key adjustment subsection for verifying the image with the at least one reference image, and

a parameter coordinating subsection for receiving image processing conditions from the setup subsection, said condition setting section adjusting said image processing conditions in said image processing unit by using said at least one selected reference image displayed on said display and said finished-state-predicting image in such a manner that an image processing result of said finished-state-predicting image using adjusted image processing conditions matches to said at least one selected reference image.

18. (Previously Presented) The image processing apparatus according to claim 1, wherein the adjusted image processing conditions are used for the image processing by the image processing unit, thereby obtaining a new finished-state-predicting image, and the display control unit displays the new finished-state-predicting image and said at least one selected reference image on said display.

19. (Currently Amended) The image processing apparatus according to claim 1, wherein said at least one selected reference image is an image subjected to image processing of a first original image prior to the registering and the first original image is different from a second original image of the image to be processed ~~and supplied from the image data supply source~~in the image processing unit.

20. (Previously Presented) The image processing apparatus according to claim 17, wherein said at least one selected reference image is an image subjected to image processing prior to the registering and is different from the image to be processed and supplied from the image data supply source.

21. (New) The image processing apparatus of claim 1, wherein said at least one selected reference image and said finished-state-predicting image are different from each other in image content therein.